

IN THE SPECIFICATION:

Please amend the paragraph beginning on page 10, line 7 as follows:

In Fig. 2, reactor 110 differs from the reactor depicted in Fig. 1 by the substitution of thermosyphon heat pipe units 140a-d for the sealed heat pipe heat units 40 of Fig. 1.

Thermosyphon heat pipe units 140a-d, respectively have wicked reactor wall heat transfer surfaces 141a-d, and annular spaces 142a-d. Thermosyphon heat pipe units 140a-d have vapor outlet lines 62a-d at their upper ends which communicate with, respectively, condensers ~~60a-d~~ 160 a-d. Vaporized heat transfer fluid 44 flows through annular spaces 142a-d and vapor outlet lines 62a-d to condensers ~~60a-d~~ 160 a-d. Heat transfer fluid 44 is in the liquid phase at the bottom of annular spaces 142a-d and is conveyed by capillary action into wicked reactor wall heat transfer surfaces 141a-d.

Please amend the paragraph beginning on page 10, line 16 as follows:

The heat of reaction from reaction mixture 30 flows through the walls of reactor 110 to wicked reactor wall heat transfer surfaces 140a-d. The heat of reaction causes heat transfer fluid 44 to vaporize and flow through vapor outlet lines 62a-d to condensers ~~60a-d~~ 160 a-d, wherein evaporated heat transfer fluid 44 is condensed in conventional fashion using cooling water or other heat transfer means. Condensed heat transfer fluid 44 is returned by gravity or pumping through heat pipe feed lines 61a-d to thermosyphon heat pipe units 140a-d.